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DEVICE FOR SUPPLYING A RESPIRATORY GAS AND AIR-CONDUCTION STRUCTURE PROVIDED IN SAID DEVICE

The invention relates to a device for supplying a respiratory gas, and in particular relates to a CPAP device. The invention also relates to an air-conduction conduit per se, provided in such a CPAP device.

In CPAP devices, typically the respiratory gas supplied to a patient is delivered by a delivery device at a pressure level that is above the ambient pressure. This delivery device may in particular be embodied as a blower device, with a motor-driven impeller in the form of an axial, semiaxial, or radial impeller. Depending on the design of the CPAP device, it is possible for the delivery device, given a suitable counterpressure, to have a flow through it counter to its delivery direction in some phases as well. Hence fundamentally the delivery device forms a pressure gate, by means of which the air-conduction system toward the patient is at a higher pressure than the air-conduction system that is open to the environment. The degree of air backflow during the expiratory phase is determined essentially by the inhalation volume as well as derivation effects. The supply of the respiratory gas to a user can be done via a breathing mask device, which is joined to the CPAP device by way of a flexible hose. Labyrinth portions may be embodied in the interior of the CPAP device, for absorbing any acoustic events coupled into the respiratory gas by the delivery device. These labyrinth portions may be lined with a sound absorbing material, in order to enhance the sound absorption capacity of the labyrinthine path.

The object of the invention is to create a device of